

## TERF2 (Phospho Thr188) Rabbit pAb

CatalogNo: YP1751

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 55kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:500-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human TRF2 (Phospho-Thr188)

**Specificity** This antibody detects endogenous levels of TRF2 (Phospho-Thr188) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): TLtEA

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## | Target Information

**Gene name** TERF2 TRBF2 TRF2

**Protein Name** TRF2 (Phospho-Thr188)

Organism	Gene ID	UniProt ID
Human	<a href="#">7014;</a>	<a href="#">Q15554;</a>
Mouse	<a href="#">21750;</a>	<a href="#">O35144;</a>

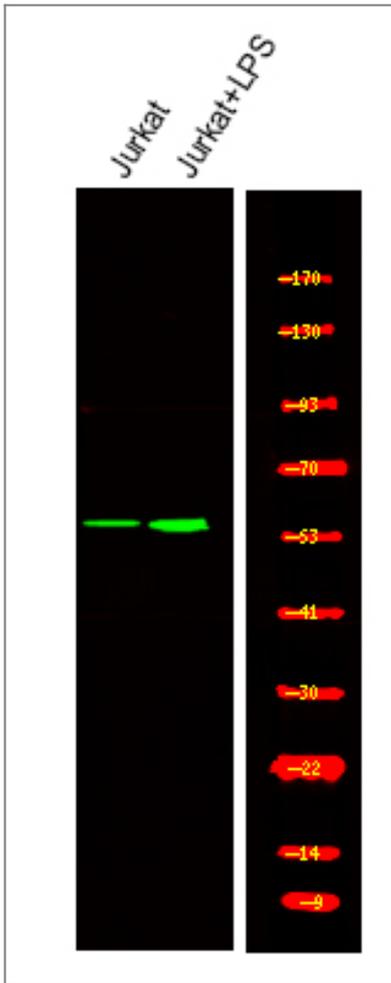
**Cellular Localization** Nucleus . Chromosome, telomere . Colocalizes with telomeric DNA in interphase cells and is located at chromosome ends during metaphase.

**Tissue specificity** Ubiquitous. Highly expressed in spleen, thymus, prostate, uterus, testis, small intestine, colon and peripheral blood leukocytes.

**Function** Function: Binds the telomeric double-stranded TTAGGG repeat. Protects against end-to-end fusion of chromosomes and plays a role in successful progression through the cell division cycle. Component of the shelterin complex (telosome) that is involved in the regulation of telomere length and protection. Shelterin associates with arrays of double-stranded TTAGGG repeats added by telomerase and protects chromosome ends; without its protective activity, telomeres are no longer hidden from the DNA damage surveillance and chromosome ends are inappropriately processed by DNA repair pathways.,PTM: Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity: Contains 1 HTH myb-type DNA-binding domain.,subcellular location: Colocalizes with telomeric DNA in interphase cells and is located at chromosome ends during metaphase.,subunit: Homodimer. Component of the shelterin complex (telosome) composed of TERF1, TERF2, TINF2, TERF2IP ACD and POT1. Binds to RAP1. Interacts with NBN.,tissue specificity: Ubiquitous. Highly expressed in spleen, thymus, prostate, uterus, testis, small intestine, colon and peripheral blood leukocytes.,

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## | Validation Data



Western Blot analysis of various,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

## Contact information

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